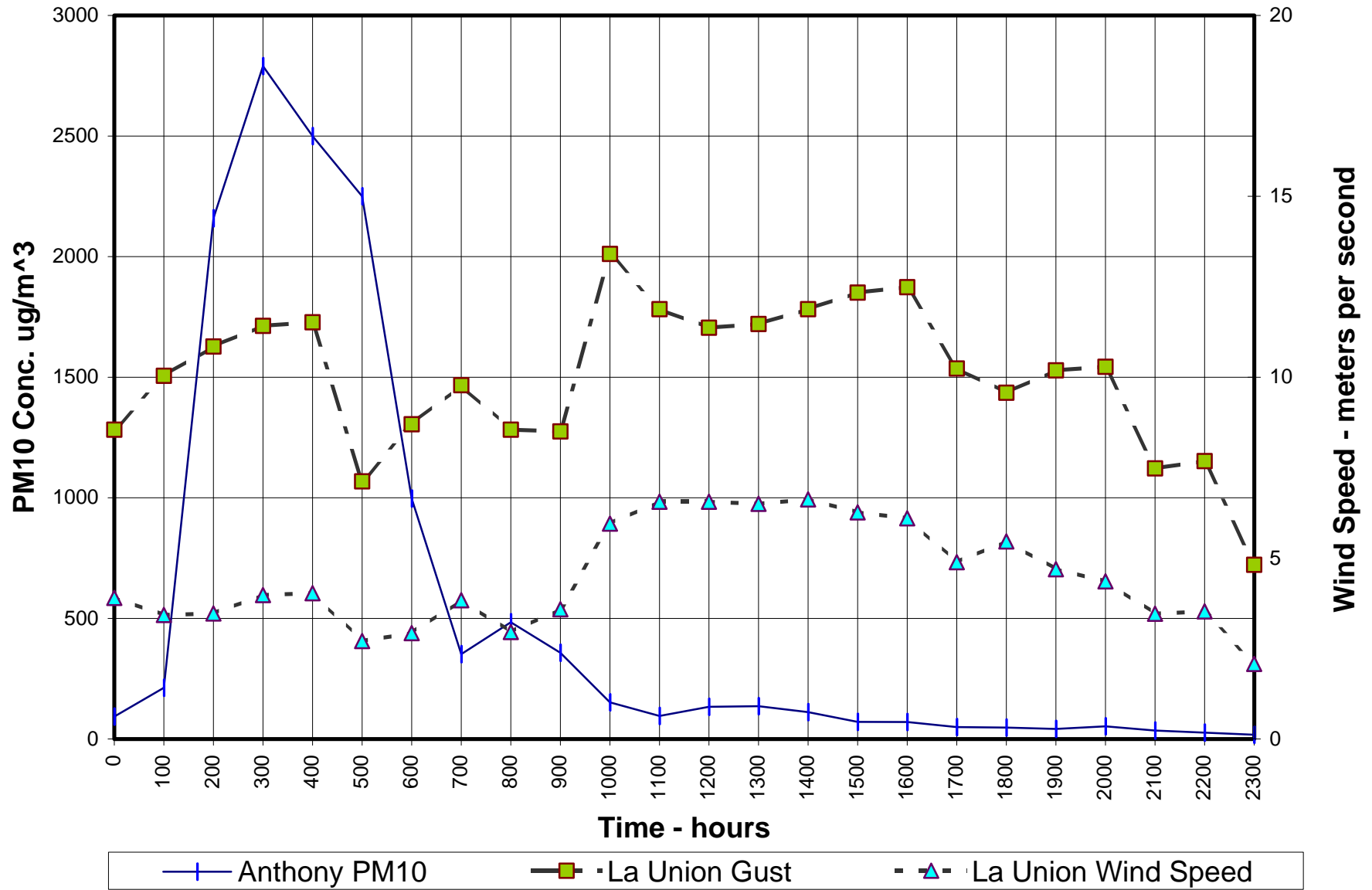


APPENDIX 1

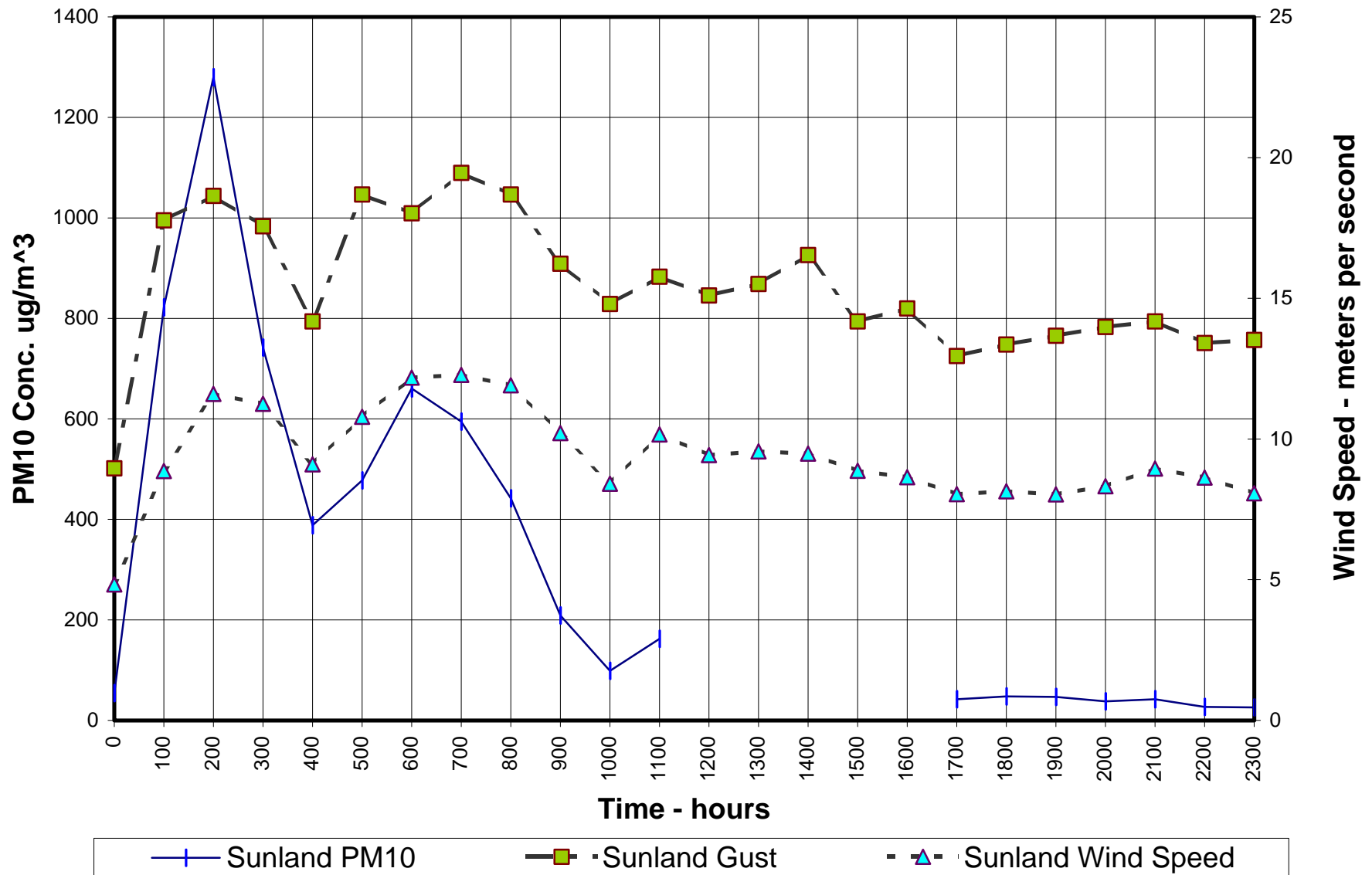
Documentation for Exceedance 13-May-02, Anthony

- A) Hourly PM₁₀ (at Anthony) and Wind Speed (at La Union), 13-May-02**
- B) Hourly PM₁₀ and Wind Speed at Sunland Park City Yard, 13-May-02**
- C) TCEQ (TNRCC) Documentation of El Paso Dust Storm, 13-May-02**
- D) Hourly PM₁₀ (at Anthony) and Wind Direction (at La Union), 13-May-02**

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May 13, 2002 - Sunland Park





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El Paso Dust Storm May 13, 2002

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Description

A large dust storm affected El Paso and parts of West Texas on May 13, 2002. This dust storm was unusual in that the dust moved from the east to northeast and it occurred primarily in the morning hours. The University of Texas at El Paso (UTEP) reported a PM10 daily average of 189 micrograms per cubic meter, which is as **Unhealthy for Sensitive Groups** on the U.S. Environmental Protection Agency (EPA)  [Air Quality Index \(AQI\)](#) scale.

The peak one-hour average for PM10 was 719 $\mu\text{g}/\text{m}^3$ at Sun Metro CAMS 37 from 4:00 a.m. to 5:00 a.m. MDT. The peak wind gust was 37 miles per hour (mph) at Sun Metro CAMS 49. The peak wind gust reported by the National Automated Station at El Paso Airport was 30 mph. The dust was reported blowing beginning at 1:38 a.m. MDT with visibility dropping to below 6 miles. At about the same time, the visibility recorded at Sun Metro CAMS 37 dropped to below 6 miles as well. Since the dust was on the northeast side of the city and the wind bearing the dust was from the east to northeast, the dust was most likely picked up by winds in areas upwind of the city and then transported into the city.

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Last Modified: October 28, 2002

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